PTO/SB/08A (08-03)

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of

Complete if Known	
Application Number	09/847,736
Filing Date	May 1, 2001
First Named Inventor	WONG, JONATHAN
Art Unit	3739
Examiner Name	SCHOPFER, KENNETH G.
Attorney Docket Number	022001-001900US

U.S. PATENT DOCUMENTS+

Examiner Initials*	Cite No.[1]	Document Number: Number Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-			
	AB	US-			
	AC	US-			
	AD	US-			
	AE	US-			
	AF	US-			
	AG	US-			
	AH	US-			
	AI	US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document: Country Code[3]	Number[4]	Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
	AL	WO	98/25666	A1	COOPER ET AL.	06-18-1998		☐
	AM	WO	97/15240	A1	BRANT ET AL.	05-01-1997		☐
	AN	DE	43 10 842	C2	GRALOWICZ ET AL.	01-25-1995		☐
	AO	WO	94/26167	A1	JENSEN	11-24-1994		☐
	AP	WO	94/18881	A1	STERMAN ET AL.	01-10-1994		
	AQ	WO	92/20295	A1	STERMAN ET AL.	09-01-1994		☐
	AR	DE	9204118.3	U1	ZEISS	07-02-1992		☐
	AS	EP	0 776 738	A2	GREEN	06-04-1997		☐
	AT	WO	93/13916	A1	GREEN	07-22-1993		☐
	AU	WO	91/04711	A1	HENRION ET AL.	04-18-1991		
	AV	EP	0 424 687	A1	BAUM ET AL.	05-02-1991		
	AW	EP	0 239 409	A1	FUNAKUBO ET AL.	09-30-1987		

Examiner Signature	B. FLANAGAN	Date Considered	12/15/03

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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of

Complete if Known	
Application Number	09/847,736
Filing Date	May 1, 2001
First Named Inventor	WONG, JONATHAN
Art Unit	3739
Examiner Name	SCHOPFER, KENNETH G.
Attorney Docket Number	022001-001900US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
BZ	AX	**Ned S. Rasor** and JW Sprickler, Remotely Manned Systems Exploration and Operation in Space "Endocorporeal Surgery Using Remote Manipulators," California Institute of Technology, 1973. pp 483-492.	
	AY	**Arthur D. Alexander, III**, Remotely Manned Systems Exploration and Operation in Space, "A Survey Study of Teleoperators, Roboitcs, and Remote Systems Technology," California Institute of Technology (1973) pp.449-458	
	AZ	**Arthur D. Alexander, III**, "Impacts of Telemation on Modern Society," On the Theory and Practice of Robots and Manipulators, Int'l. Centre for Mechanical Sciences, Vol. II (1974) pp. 121-136.	
	AAA	Transcript of video entitled "Telepresence Surgery - The Future of Minimally Invasive Medicine," presented by SRI at the 3rd World Congress of Endoscopic Surgery in Bordeaux on June 18-20, 1992, Washington on April 9, 1992, and in San Diego, CA on June 4-7, 1992, 3 pgs.	
	ABB	Statutory Declaration of Dr. Philip S. Green, presenter of the video (above) entitled "Telepresence Surgery - The Future of Minimally Invasive Medicine."	
	ACC	**P. Green et al.**, Abstract of a presentation "Telepresence: Advanced Teleoperator Technology for Minimally Invasive Surgery," given at "Medicine Meets Virtual Reality" symposium by The Plastic Surgery Research Foundation and Continuing Medical Educ., UC - San Diego, in San Diego, CA, June 4-7, 1992.	
	ADD	**P. Green et al.**, Abstract No. 704 of a presentation "Telepresence: Advanced Teleoperator Technology for Minimally Invasive Surgery," given at the 3rd World Congress of Endoscopic Surgery in Bordeaux, June 18-20, 1992.	
	AEE	**Colin Besant et al.**, Abstract No. 5 of a presentation "Camera Control for Laparoscopic Surgery by Speech-Recognizing Robot: Constant Attention and Better Use of Personnel," Dept. of Computer-Aided Manufacture, Imperial College of Science, Technology, and Medicine, London England.	
	AFF	**Preising et al.**, "A Literature Review: Robots in Medicine," IEEE - Eng. in Med. & Bio., June 1991, pp. 13-22 & 71.	
	AGG	**Corocoran, E.**, "Robots for the Operating Room," The New York Times, Sun. July 19, 1992, §3, p. 9, Col. 1	
	AHH	**Taylor, R.H.**, "Taming the Bull: Safety in a Precise Surgical Robot," IEEE, 1991, p. 865-871.	
	AII	**Krishnan, S.M., et al.**, Abstract No. 276 of a presentation "Design Considerations of a New Generation Endoscope Using Robotics and Computer Vision Technology," Nayang Tech. Univ. and Dept. of Surgery, Nat'l. Univ. Hospital, Singapore, given at the 3rd World Congress of Endoscopic Surgery in Bordeaux, CA, June 18-20, 1992.	
	AJJ	Abstract entitled "3-D Vision Technology Applied to Advanced Minimally Invasive Surgery Systems," given at the 3rd World Congress of Endoscopic Surgery in Bordeaux, June 18-20, 1992.	
	AKK	**Tendick, F. et al.**, "Analysis of the Surgeon's Grasp for Telerobotic Surgical Manipulation," IEEE Eng. in Med. and Biol., 11th Annual Int'l. Conf., (1989) pp. 914-915.	
BZ	ALL	**Das, H. et al.**, "Kinematic Control and Visual Display of Redundant Teleoperators," IEEE, 1989 IEEE International Conference on Systems, Man, and Cybernetics, Nov. 14-17, 1989, Cambridge, MA, pp. 1072-1077	

Examiner Signature	B. FLANAGAN	Date Considered	12/15/03

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Application Number	09/847,736
Filing Date	May 1, 2001
First Named Inventor	WONG, JONATHAN
Art Unit	3739
Examiner Name	SCHOPFER, KENNETH G.
Attorney Docket Number	022001-001900US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
BF	AMM	**LaValle, S.**, "A New Systems For Computer Assisted Neurosurgery," IEEE Eng. in Med. and Biol., Proceedings of the Annual Int'l. Conf. of IEEE Engg. in Med. and Biol. - Vol. 11, Nov. 9-12, 1989, pp. 926-927	
BF	ANN	**Gayed, M. Ben et al.**, "Systems Science - Vol 13, No. 1-2: An Advanced Control Micromanipulator for Surgical Applications," 1987, pp. 23-34.	
	AOO	**Sabatini, A. M., et al.**, "Medical Applications of Robotics: Force Feedback-Based Telemicromanipulation for Robot Surgery on Soft Tissues," IEEE Engg. in Med. and Biol. 1989, pp. 890-891.	
	APP	**Inque et al.**, "Six-axis Bilateral Control of an Articulated Slave Manipulator Using a Cartesian Master Manipulator," Advanced Robotics, 4, No. 2, 1990, pp. 139-150.	
	AQQ	**Majima et al.**, "On a Micro-Manipulator for Medical Application: Stability Consideration of its Bilateral Controller," Mechatronics 1991, pp. 293-309.	
	ARR	NASA Tech Briefs (1991) - "Anthropomorphic Remote Manipulator"	
	ASS	**Bejczy et al.**, "Controlling Remote Manipulating through Kinesthetic Coupling," Computers in Mechanical Engg., July 1983, pp. 48-60.	
	ATT	**Charles et al.**, "Design of a Surgeon-Machine Interface for Teleoperated Microsurgery," IEEE Engg. in Med. and Biol., 1989, pp. 883-884.	
	AUU	**Dolan, et al.**, "A Robot in an Operating Room: A Bull in a China Shop?," IEEE Engg. in Med. and Biol., 1987, pp. 1096-1097.	
	AVV	Abstract entitled "Concept and Experimental Application of a Surgical Robotic System the Steerable MIS Instrument SMI," given at the 3rd World Congress of Endoscopic Surgery in Bordeaux, June 18-20, 1992.	
	AWW	Abstract of a presentation given at the 3rd World Congress of Endoscopic Surgery in Bordeaux, June 18-20, 1992.	
	AXX	Abstract entitled "A Pneumatic Controlled Sewing Device for Endoscopic Application the MIS Sewing Instrument MSI," 3rd World Congress of Endoscopic Surgery in Bordeaux, June 18-20, 1992.	
	AYY	Abstract No. 826 of a presentation given at the 3rd World Congress of Endoscopic Surgery in Bordeaux, June 18-20, 1992.	
	AZZ	Abstract No. 835 of a presentation given at the 3rd World Congress of Endoscopic Surgery in Bordeaux, June 18-20, 1992.	
	AAAA	Abstract of a presentation given at the 3rd World Congress of Endoscopic Surgery in Bordeaux, June 18-20, 1992.	
↓	ABBB	**Vibet C.**, "Properties of Master-Slave Robots," Motorcon '87, Hannover, April 2-4, 1987, pp. 309-314.	
BF	ACCC	**Tejima, et al.**, "A New Microsurgical Robot System for Corneal Transplantation," Precision Machinery, 1988, Vol. 2, pp. 1-9.	

Examiner Signature	B. FLANAGAN	Date Considered	12/15/03

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Art Unit	3739
Examiner Name	SCHOPFER, KENNETH G.
Attorney Docket Number	022001-001900US

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BF	ADDD	**Kazerooni**, "Human/Robot Interaction via the Transfer of Power of Information Signals - Part I: Dynamics Control Analysis," IEEE, 1989, pp. 1632-1640.	
	AEEE	**Colgate**, J. Edwards, "Power and Impedance Scaling in Bilateral Manipulation," IEEE, 1991, pp. 2292-2297.	
	AFFF	**Guerrouad et al.**, "Medical Applications of Robotics: S.M.O.S.: Stereotaxical Microtelmanipulator for Ocular Surgery," IEEE Engg. in Med. and Biol., 1989, pp. 879-880.	
	AGGG	**Trevelyan, et al.**, "Chapter 2: Motion Control for a Sheep Shearing Robot," Proceedings of the 1st Int'l. Symposium on Robotics Research, MIT, Cambridge, MA 1983, pp. 175-190.	
	AHHH	**Thring, M.W.**, "Robots and Telechirs: Manipulators with Memory; Remote Manipulators; Machine Limbs for the Handicapped," Wiley & Sons, 1983.	
	AIII	**Mair, Gordon M.**, "Industrial Robotics: Kinematic Considerations," Prentice Hall, 1988, pp. 41-43, 49-50, 54, 2-3-209.	
	AJJJ	**Wolf et al.**, "Student Reference Manual for Electronic Instrumentation Laboratories," Prentice Hall, 1990, pp. 498-499.	
BF	AKKK	**Taubes, Gary**, "Surgery in Cyberspace," Discover, December 1994, pp. 85-92.	

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